

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application.

Listing of Claims:

1. (Currently Amended) A mass spectrometry ionization method comprising:
delivering electrospray droplets from an electrospray nozzle **of an electrospray ionization mass spectrometer**, wherein the electrospray droplets contain solvent and analytes;
and

exposing the electrospray droplets to ~~an ion~~ **a proton** beam thereby increasing the unbalanced charge of the electrospray droplets, **wherein the proton beam energy is from 5 to 10 eV.**

2. - 8. (Cancelled)

9. (Currently Amended) The method of claim 1, wherein the sample is injected ~~directly~~ into ~~the focusing~~ quadrapoles **of the electrospray ionization mass spectrometer.**

10. (Currently Amended) The method of claim ~~[[7]]~~ **1**, wherein the analyte comprises organic compounds having nitrogen, oxygen, or sulfur heteroatoms.

11. (Currently Amended) The method of ~~claims~~ **claim 1** ~~to 10~~ wherein the ~~ion~~ **proton** beam flux is from ~~about~~ 1 mA/cm² to ~~about~~ 17 mA/cm².

12. - 13. (Cancelled)

14. (Currently Amended) The method of claim 1, wherein the electrospray flow rate is from ~~about~~ 0.025 μ L/min to ~~about~~ 0.5 μ L/min.

15. - 19. (Cancelled)